
**SYSTEM AND METHOD FOR AUTOMATICALLY AND
DYNAMICALLY OPTIMIZING APPLICATION DATA
RESOURCES TO MEET BUSINESS OBJECTIVES**

ABSTRACT OF THE INVENTION

10 A system and method to automatically and dynamically optimize available
resources to meet application data availability and business objectives. In one
embodiment, a backup and data recovery system continually and dynamically
adjust to the backup and recovery or restore process depending on the
customer's environment, workload, and business objectives. Acceptable
15 tolerance of downtime due to recovery and backup impacts the customer's
business or system operation. From this high-level business requirement, the
present system determines the backup and recovery plan details. The present
system accepts application data availability policies based on business
objectives, and devises, executes and refines a resource optimal backup and
20 recovery strategy required to deliver the desired quality of service in the
environments that have dynamically changing application workloads, business
objectives, and hardware/software infrastructure technologies. In addition, the
present system performs backups outside blocked windows to minimize the
impact on the customer's system.